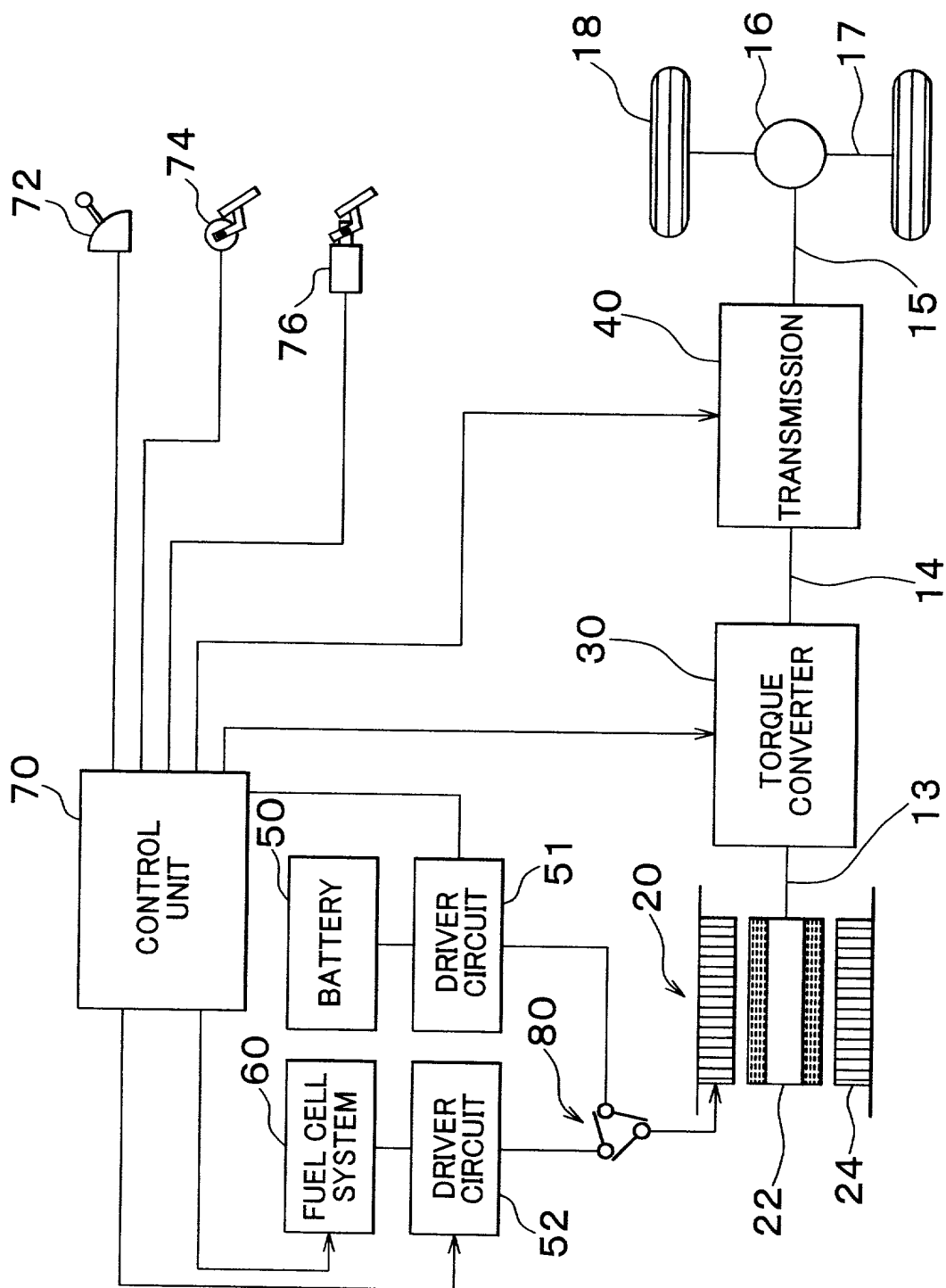


RIGHT



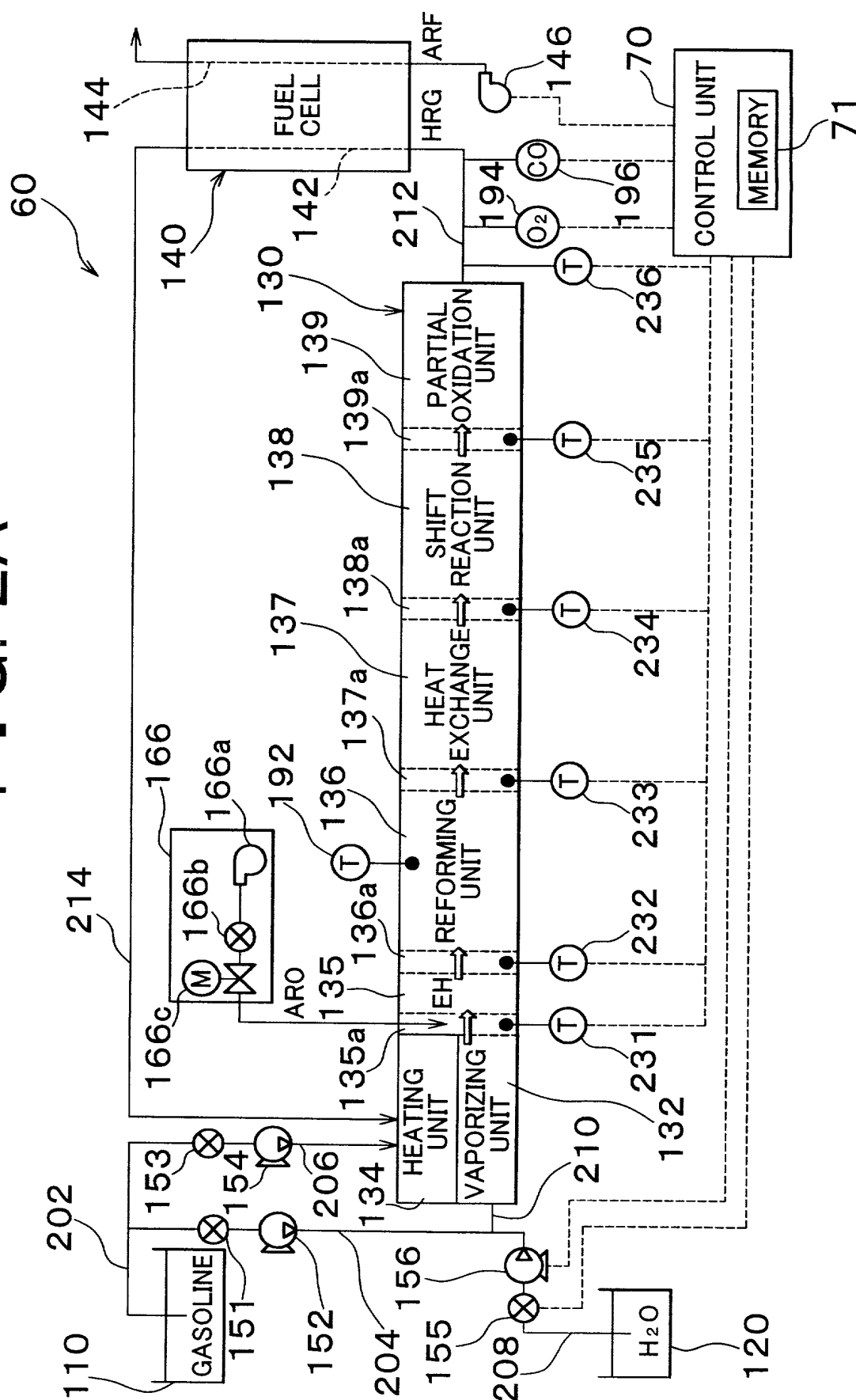
[illegible]

FIG. 3A

CARBON REMOVAL MODE OPERATION
(FIRST EXAMPLE)

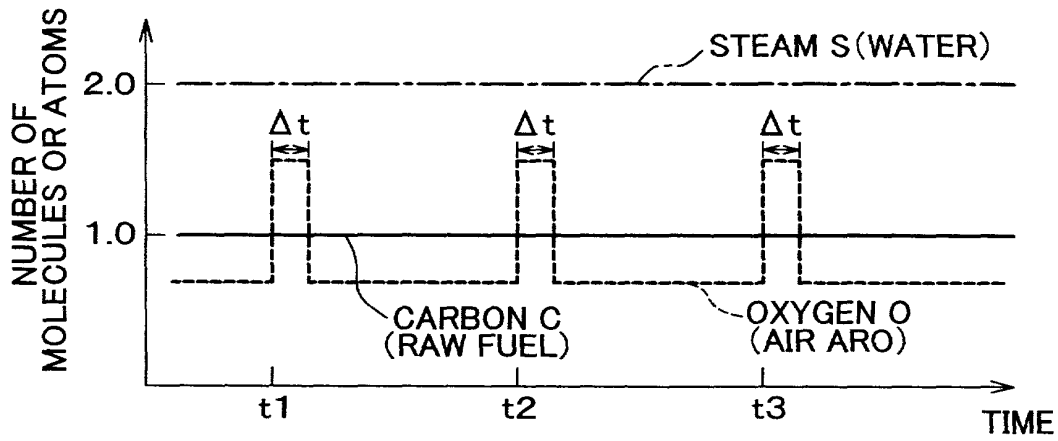


FIG. 3B

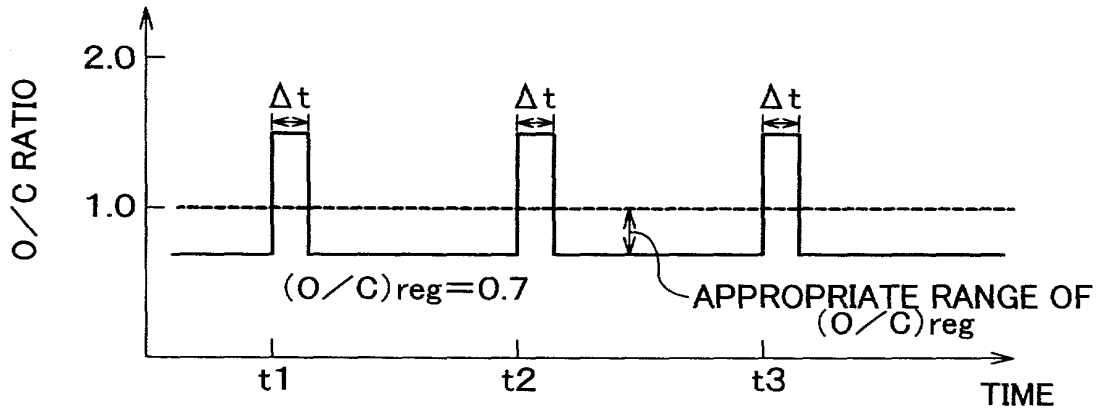


FIG. 3C

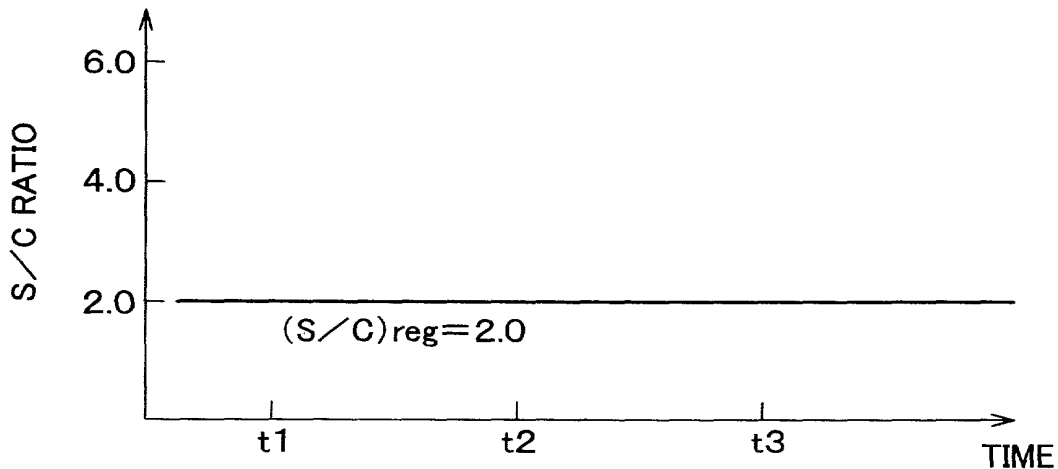


FIG. 4

RELATIONSHIP BETWEEN CARBON
REMOVAL PERIOD Δt AND O/C RATIO

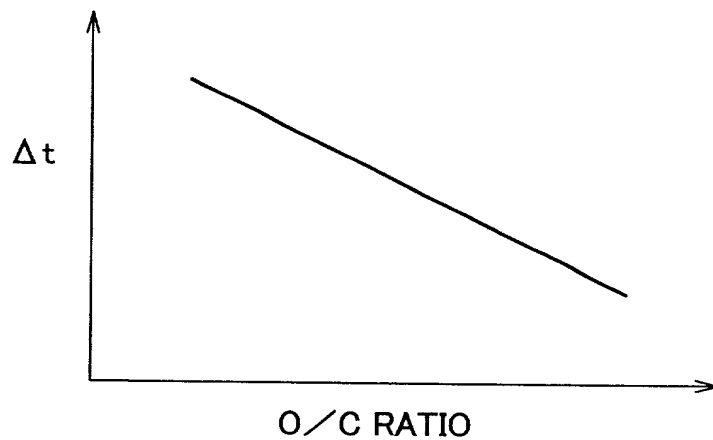


FIG. 5

RELATIONSHIP BETWEEN CATALYST
TEMPERATURE T_{cat} AND O/C RATIO

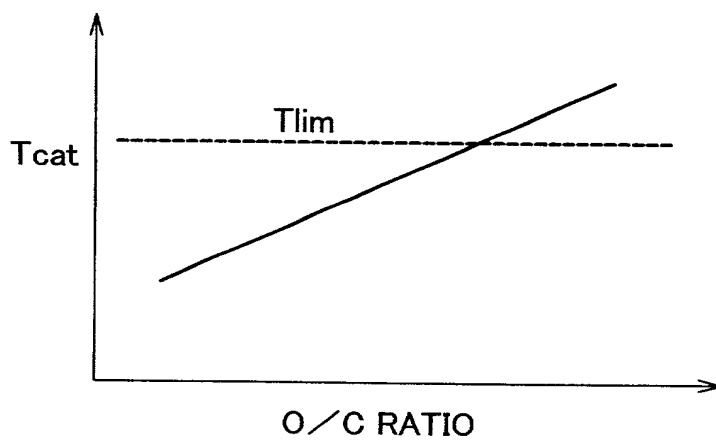


FIG. 6

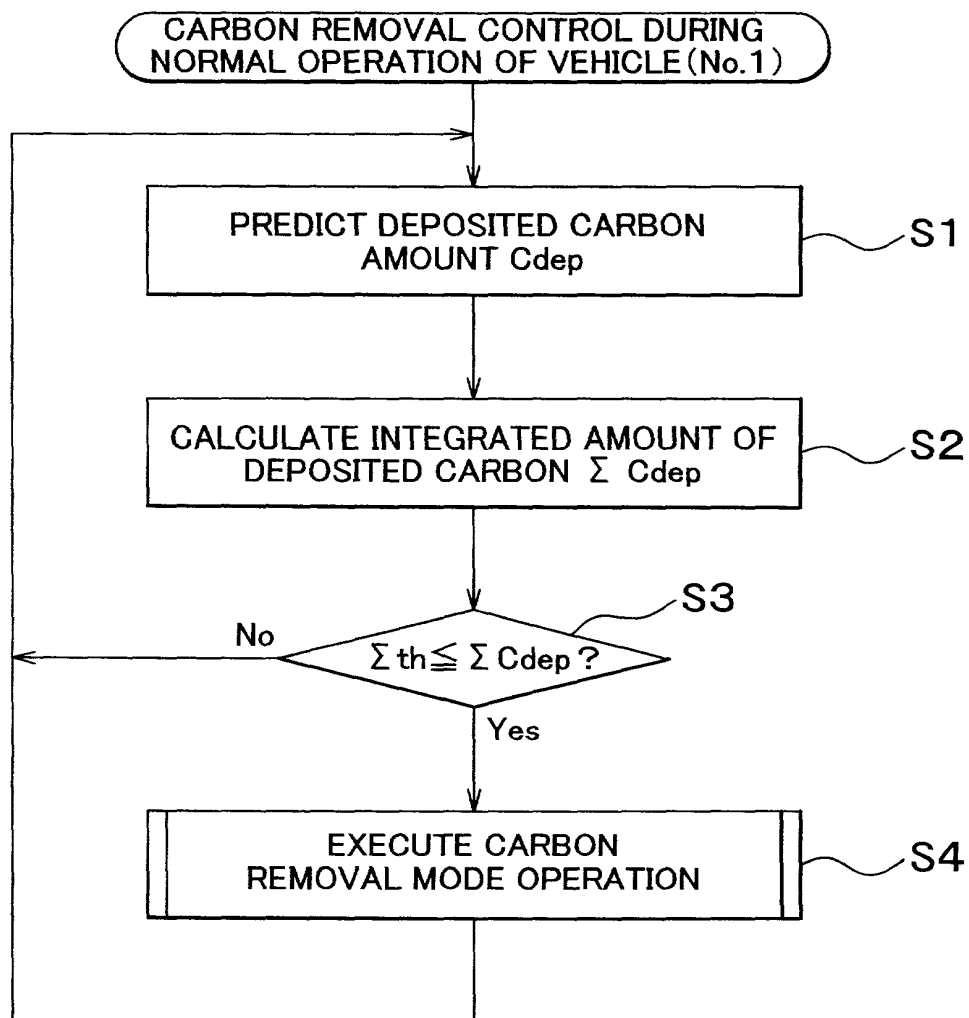


FIG. 7

PREDICTED VALUES OF
DEPOSITED CARBON AMOUNT C_{dep} PER UNIT TIME

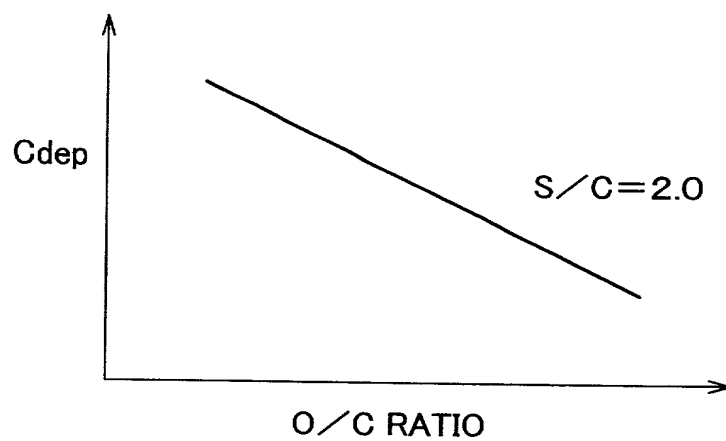


FIG. 8

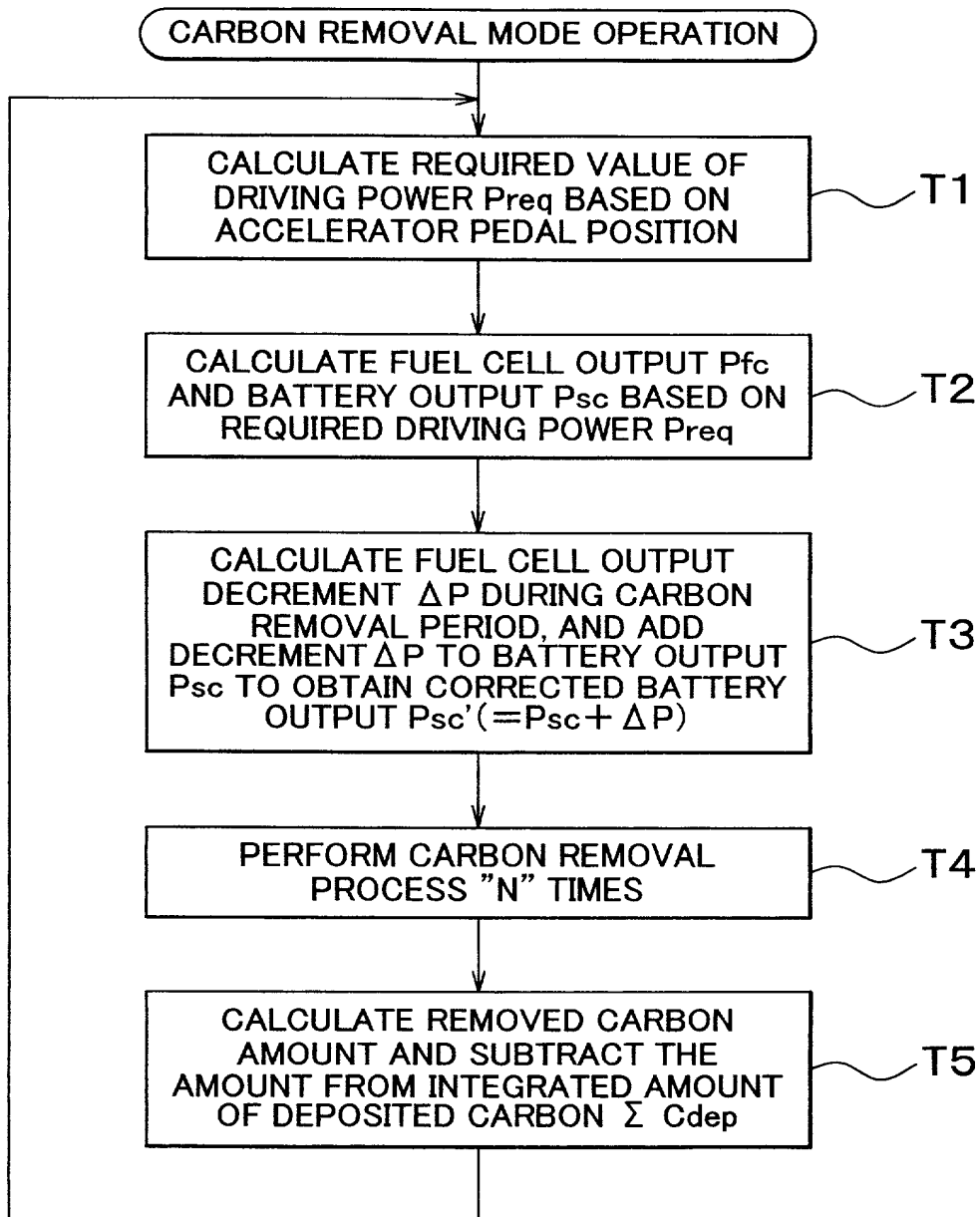


FIG. 9

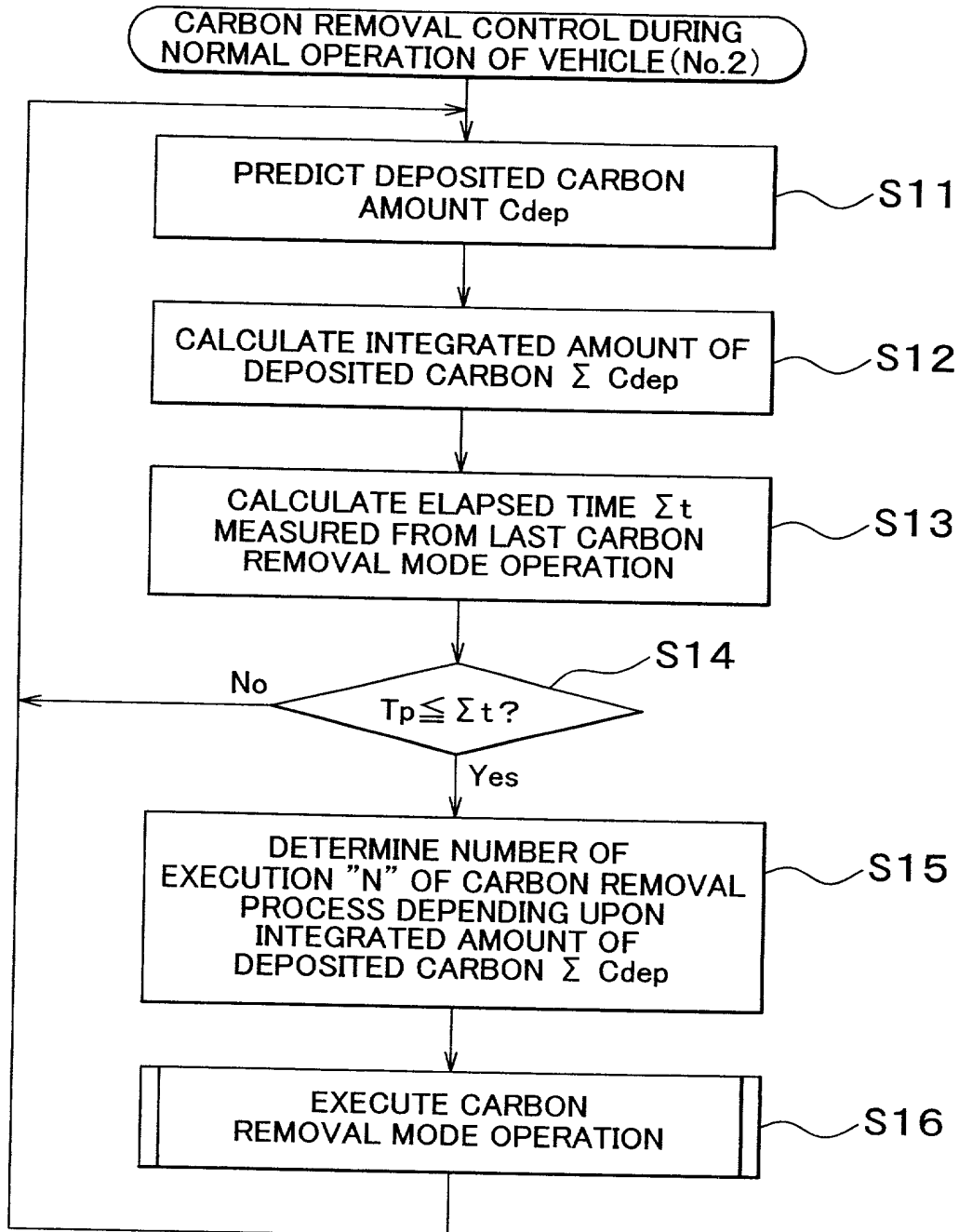


FIG. 10

INTEGRATED AMOUNT OF DEPOSITED CARBON ΣC_{dep}
AND NUMBER OF EXECUTION "N" OF CARBON REMOVAL PROCESS

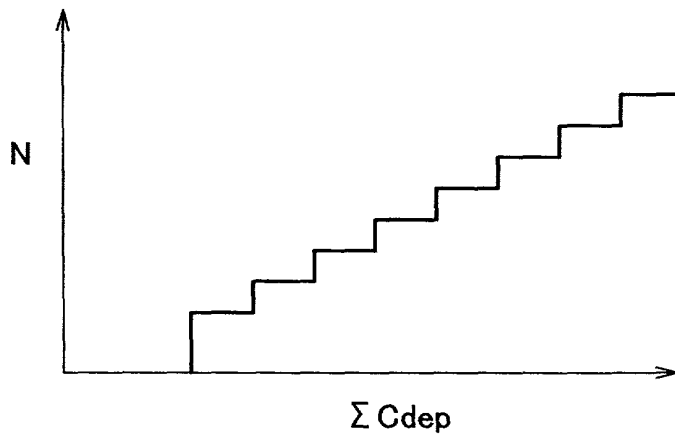


FIG. 11A

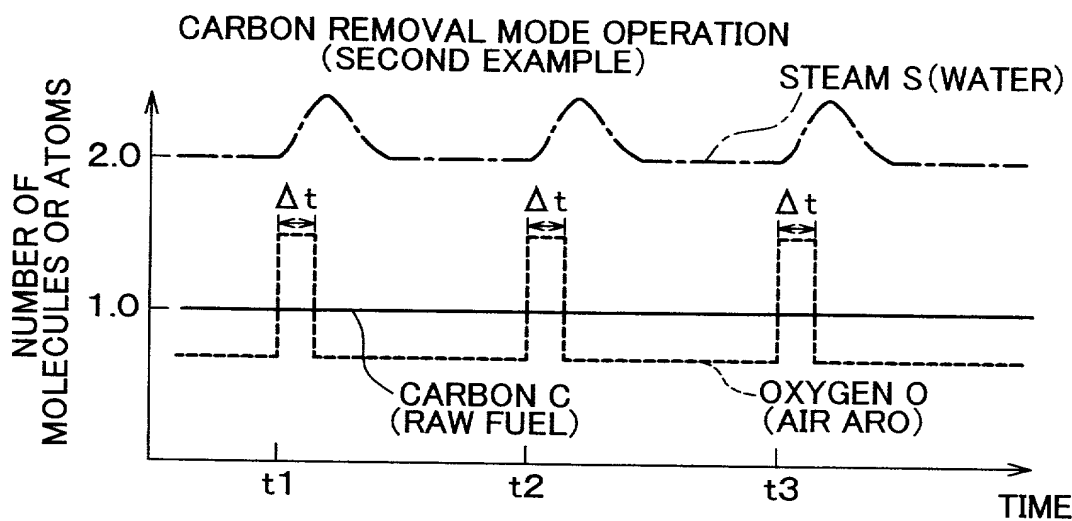


FIG. 11B

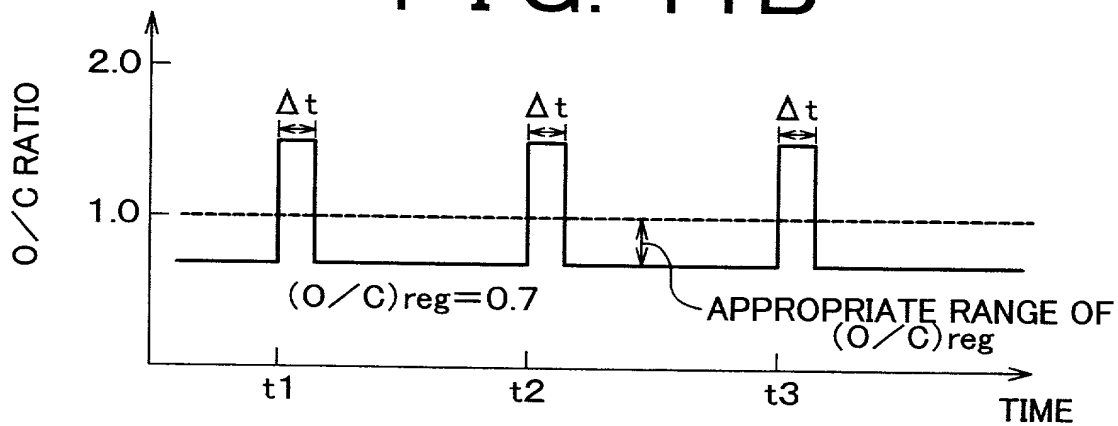


FIG. 11C

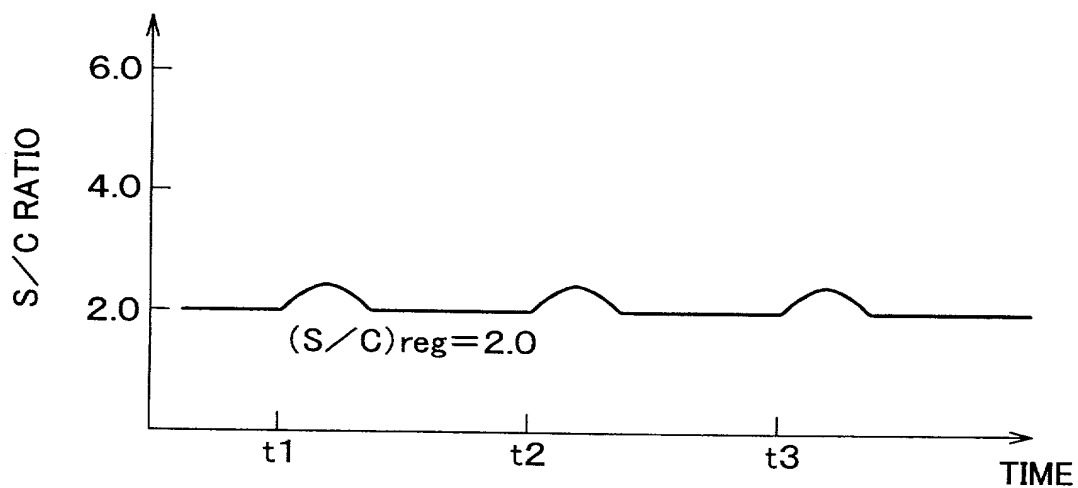


FIG. 12A

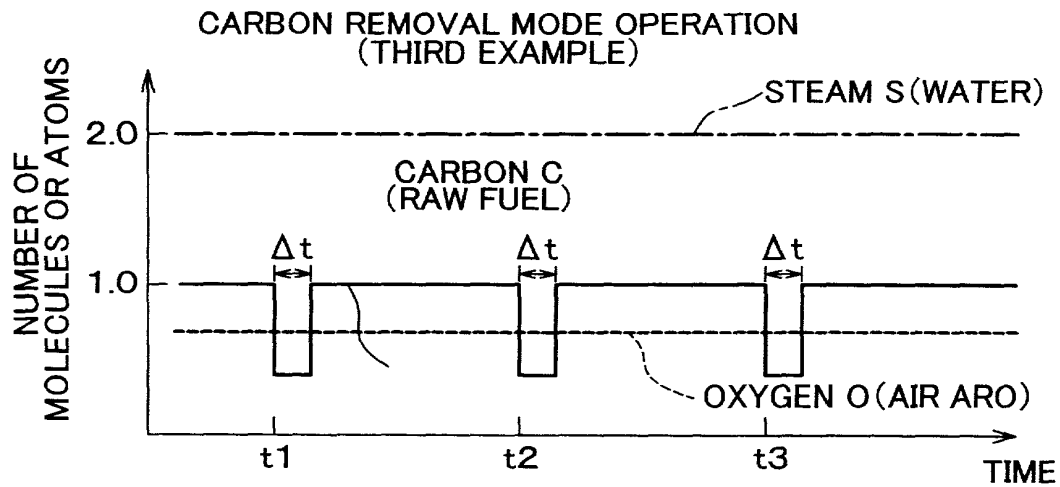


FIG. 12B

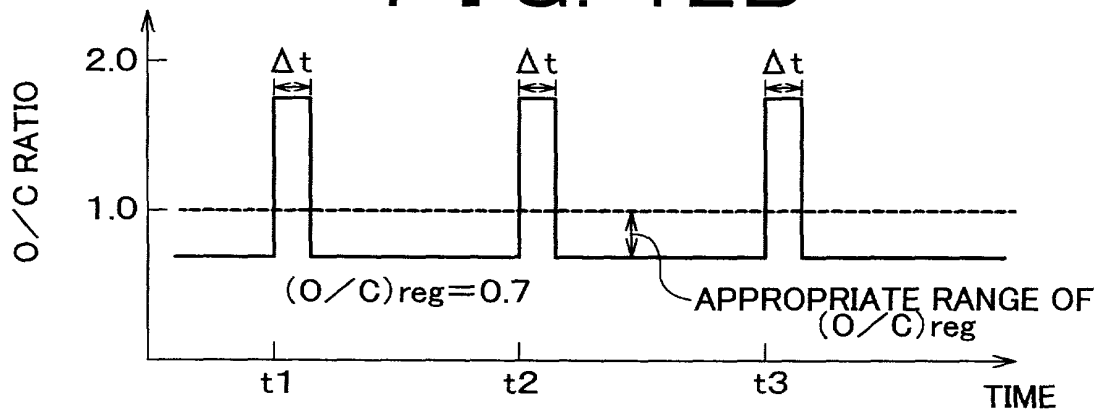


FIG. 12C

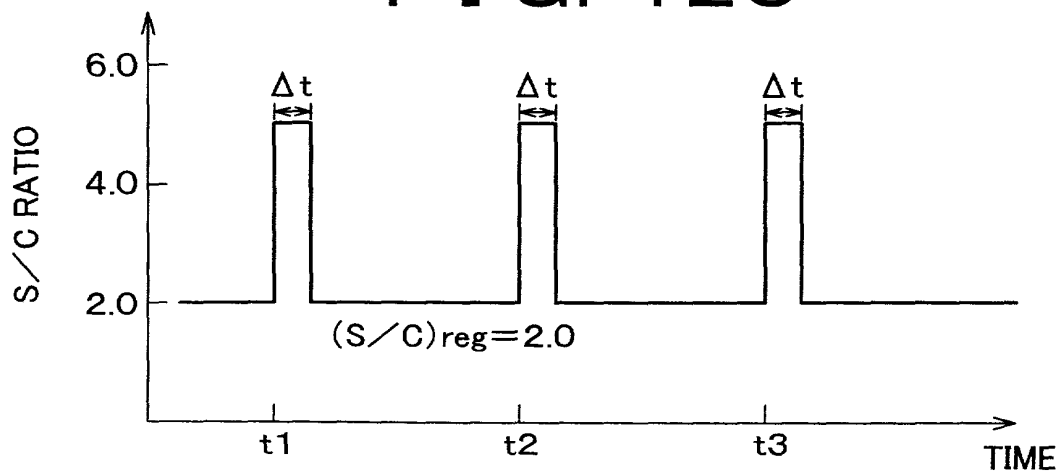


FIG. 13

EXECUTION OF CARBON REMOVAL MODE OPERATION
DEPENDING UPON VEHICLE DRIVING CONDITION

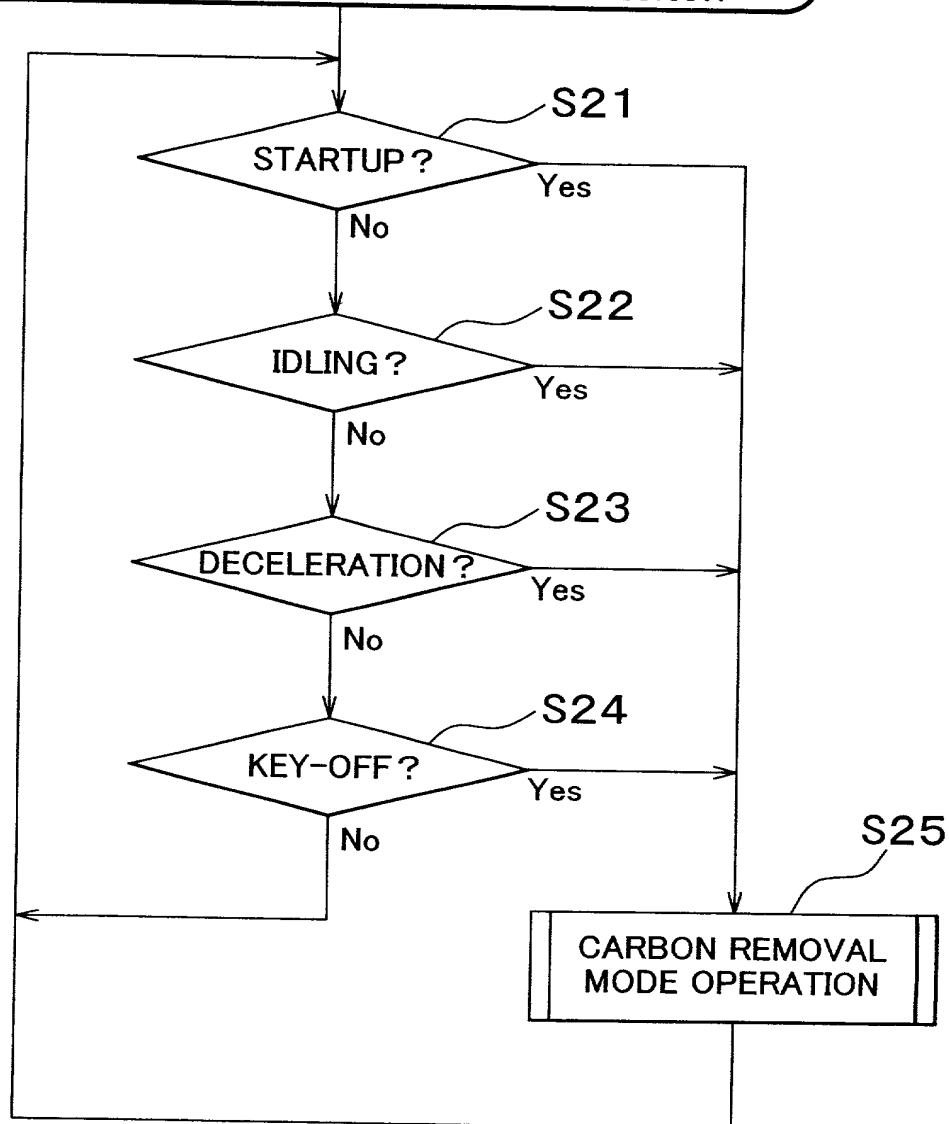


FIG. 14A

CARBON REMOVAL MODE OPERATION FOR
STARTUP CONDITION (FOURTH EXAMPLE)

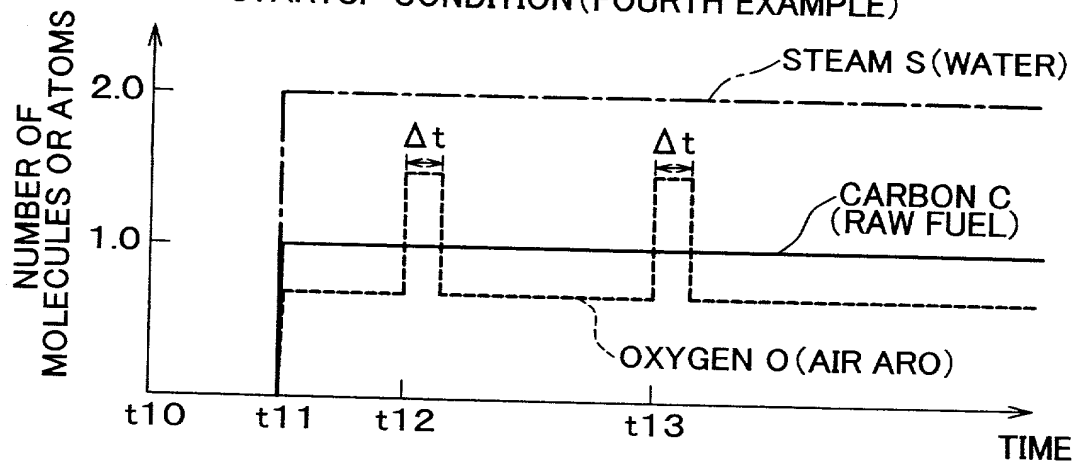


FIG. 14B

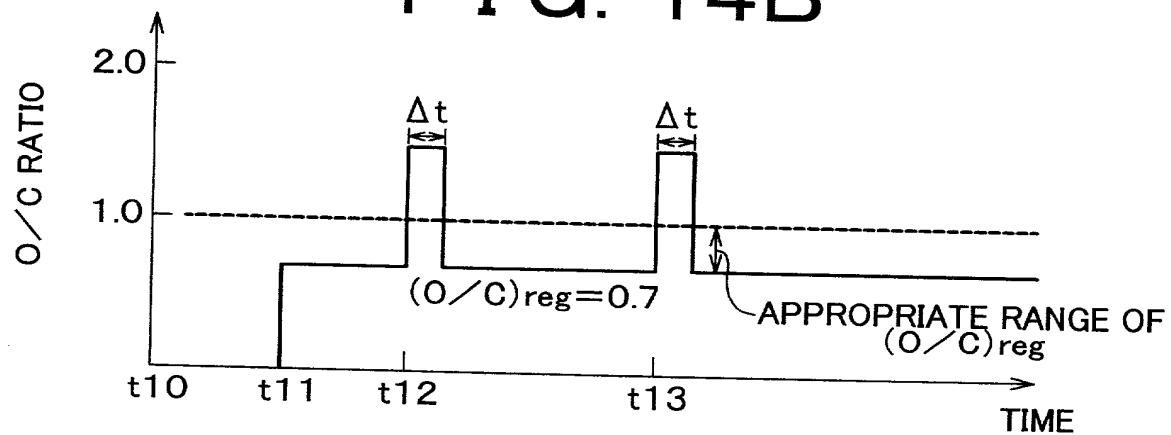


FIG. 14C

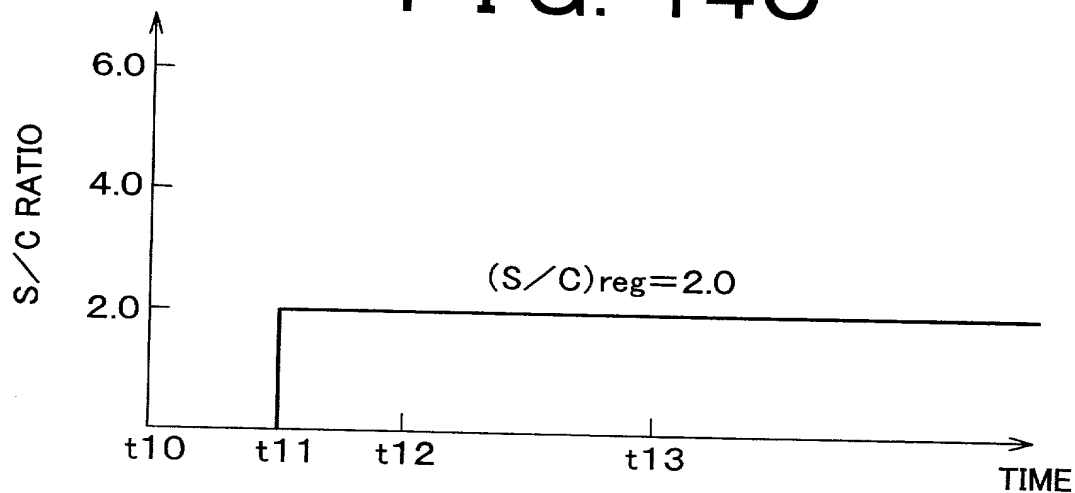


FIG. 15A

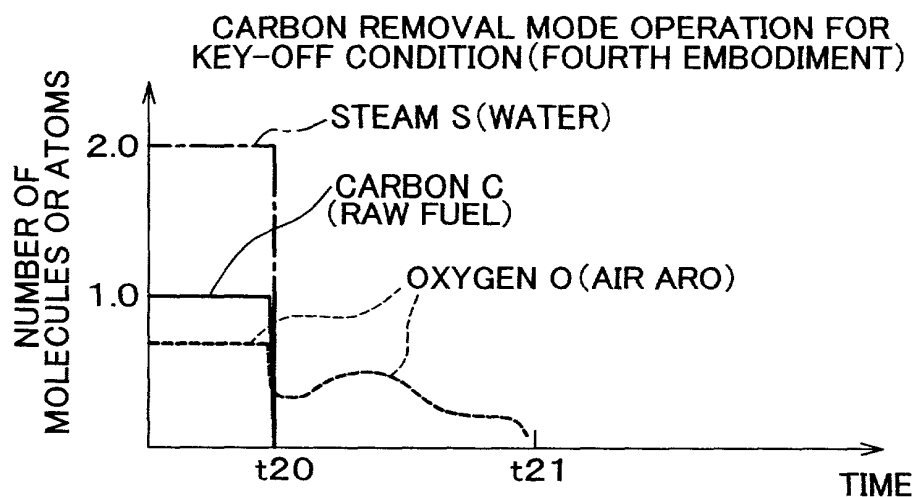


FIG. 15B

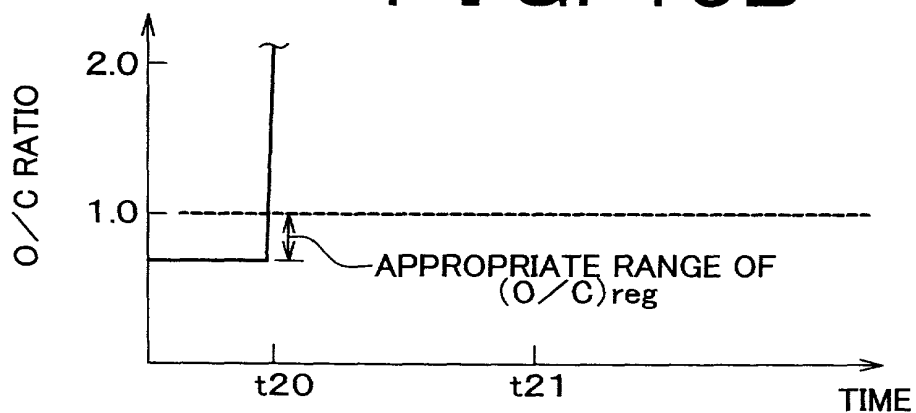


FIG. 15C

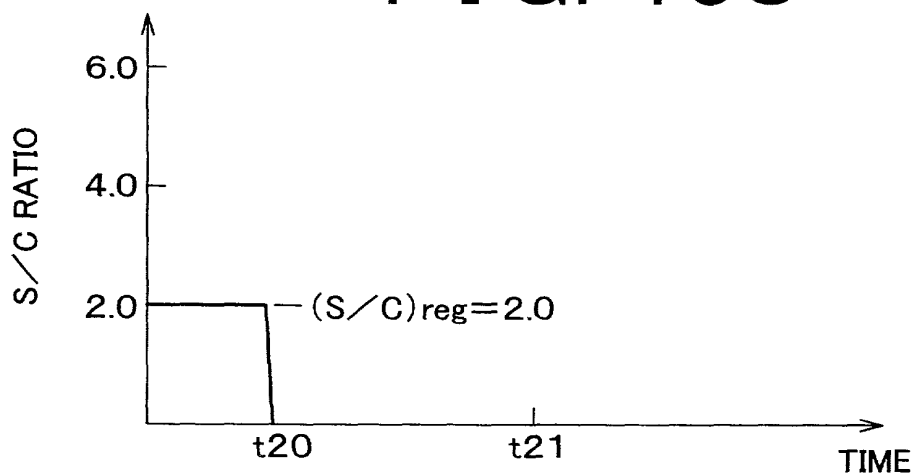


FIG. 16

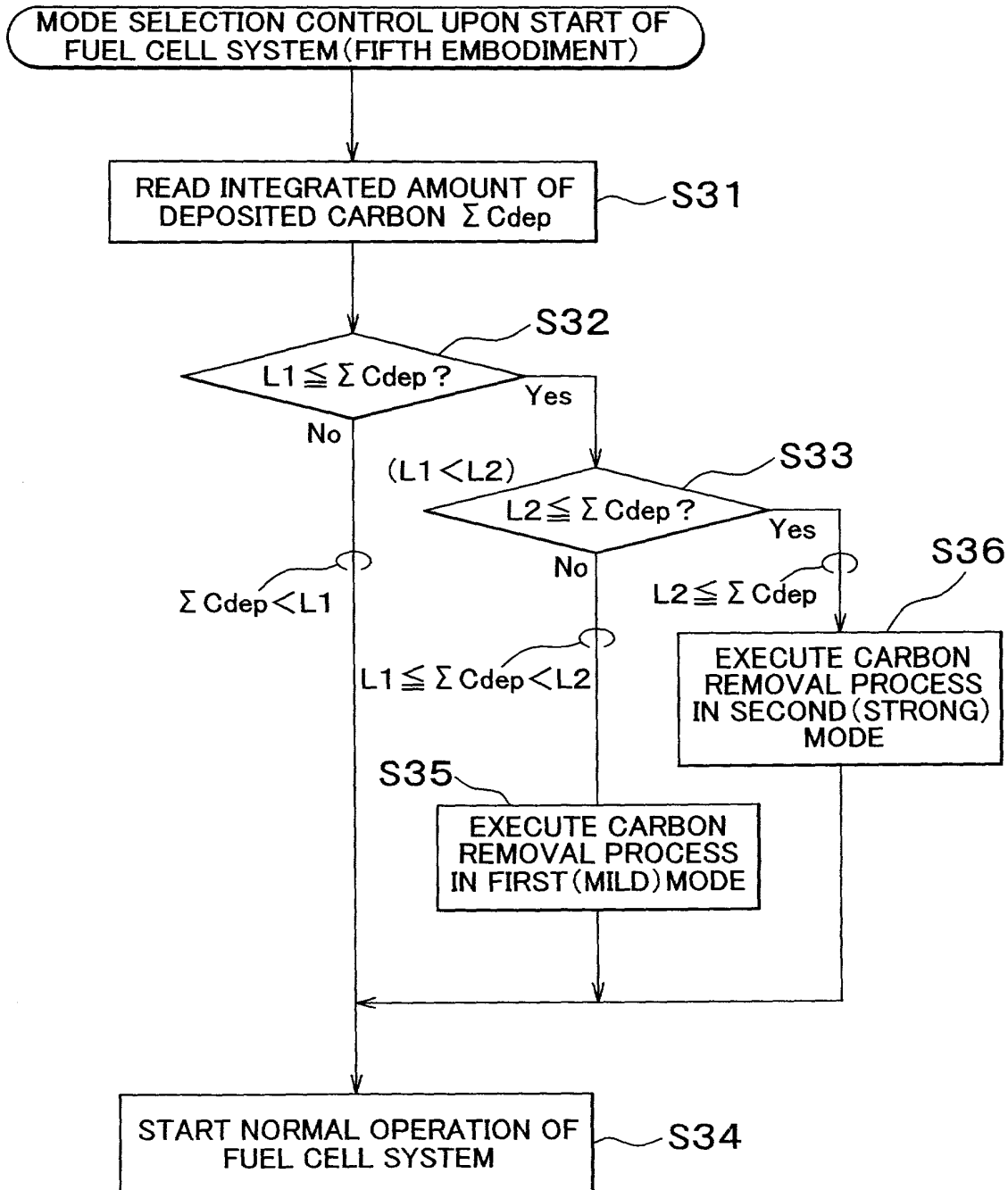


FIG. 17A

CARBON REMOVAL PROCESS IN STRONG MODE (FIFTH METHOD)

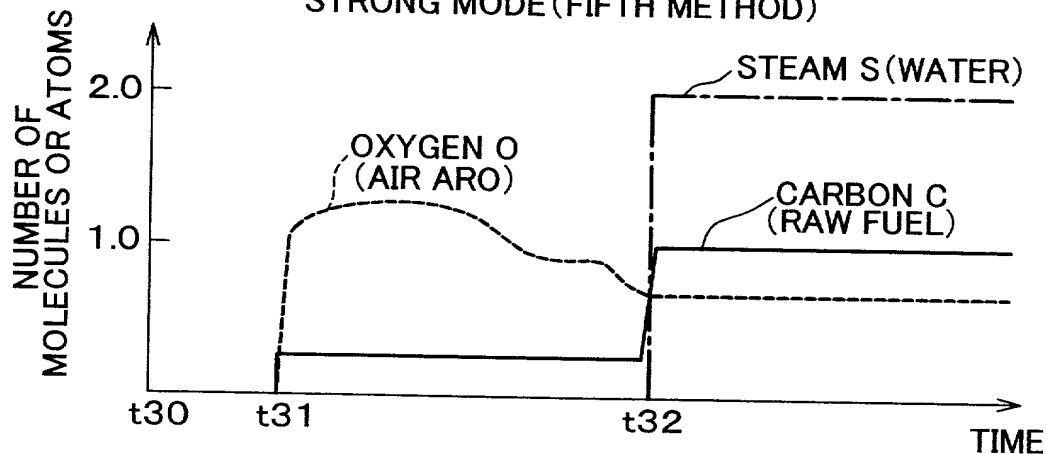


FIG. 17B

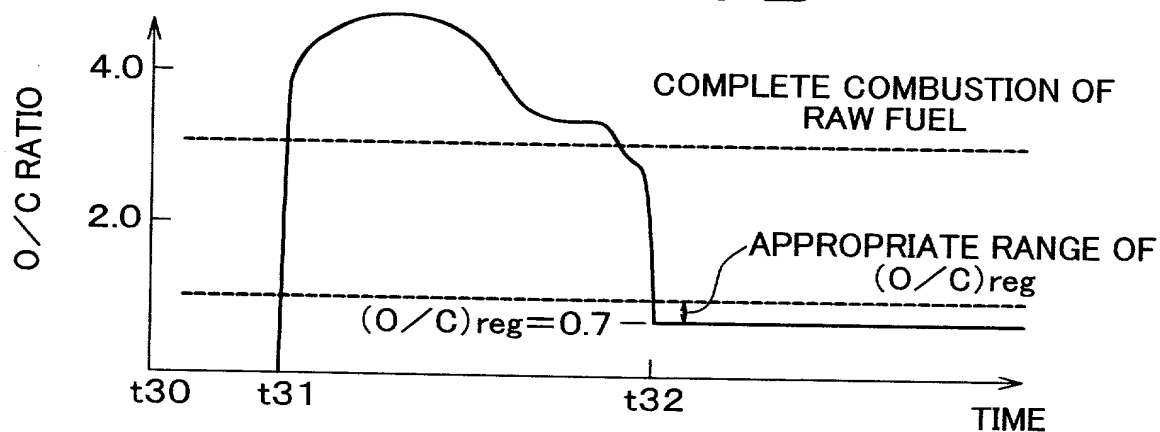


FIG. 17C

$$\lambda = (O/C) \div 3.1$$

